

under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

*Amendments*

*In the Specification:*

Please ~~substitute~~ the following paragraphs/sections for the pending paragraphs/sections.

1. ~~Substitute~~ pending paragraph [0053] with the following paragraph [0053]:

A1  
FIGs. 22A and 22B are a flow diagram illustrating a method for TCP header reconstruction according to an embodiment of the present invention.

2. ~~Substitute~~ pending paragraph [0245] with the following paragraph [0245]:

A2  
FIGs. 22A and 22B are a flow diagram 2200 illustrating a method for TCP header reconstruction. The invention is not limited to the description provided herein with respect to flow diagram 2200. Rather, it will be apparent to persons skilled in the relevant art(s) after reading the teachings provided herein that other functional flow diagrams are within the scope of the present invention. A 54-byte template header is generated by the DOCSIS payload header reconstruction engine (not shown) prior to the start of flow diagram 2200. The process begins with step 2202 in FIG. 22A, where a TCP header reconstructor is started. The process then proceeds to step 2204.

3. ~~Substitute~~ pending paragraph [0251] with the following paragraph [0251]:

A3

In step 2214, the correct 54-byte header, transmitted from CM 108, is read from the input stream. The process then proceeds to step 2216 in FIG. 22B.

4. ~~Substitute~~ pending paragraph [0253] with the following paragraph [0253]:

A4

Returning to decision step 2208 in FIG. 22A, if L bit 1702 of change byte 1700 is not set, then the process proceeds to decision step 2220.

5. ~~Substitute~~ pending paragraph [0273] with the following paragraph [0273]:

A5

In step 2250, the next 2-bytes of data from the input stream are copied into TCP checksum field 1456 at offset 50. The process then proceeds to decision step 2252 in FIG. 22B.

***In the Drawings:***

Please substitute formal drawing sheets for Figures 22A and 22B, submitted herewith, for the pending informal drawing sheet for Figure 22.